

AMENDMENT TO AND LISTING OF THE CLAIMS

1. (currently amended) A ~~supplementary~~ visual display system (10, 200) ~~including for use in conjunction with~~ a display device (40) ~~including having~~ an image display region on a screen,  
~~(50) for presenting~~ ~~said system displaying in said image display region images represented by received image data~~ to a viewer (15), the system (10, 200) comprising:

- (a) ~~one or more at least one illumination sources (100a, 100b, 110, 120)~~ disposed in a configuration at least one of:
  - (i) ~~at least partially peripherally surrounding relative to the display device for illuminating a respective area that appears to a viewer as being adjacent to a peripheral portion of~~ the image display region (50); and
  - (ii) ~~arranged to project illumination radiated therefrom so as to illuminate a region visually appearing to the viewer (15) to at least partially peripherally surround the image display region (50);~~
- (b) ~~monitoring means for monitoring at least one of:~~
  - (i) ~~audio program content; and~~
  - (ii) ~~intensity and/or color and/or depth information in the entire image display region (50) or in one or more sub regions (300, 310, 320, 330) of the image display region (50) when images are presented thereon,~~~~and generating corresponding image and/or audio indicative signals; and~~
- (be) ~~a control device controlling means (500) for, in dependence on a depth signal derived from the received image data, controlling movement of light radiation emitted in use from the at least one or more illumination sources (100a, 100b, 110, 120) in response to the image and/or audio indicative signals, where said~~

depth signal represents a movement component of a displayed object in a direction substantially perpendicular to the screen so as to provide at least a partial spatial extension of the image display region (50).

2. (currently amended) A visual display system according to Claim 1 wherein the monitoring means and the controlling means (500) are arranged such that the at least one or more illumination sources comprises a plurality of light emitting elements arranged adjacent to but at different distances from said peripheral portion of the image display region, said control device sequentially energizing different ones of said light emitting elements in response to said depth signal to effect said movement of light radiation (100a, 100b, 110, 120) in conjunction with the monitoring means and controlling means (500) are operable to respond to at least one of color and intensity and depth information presented in sub-regions of the image display region (50) substantially spatially adjacent to where the one or more illumination sources (100a, 100b, 110, 120) are either mounted in respect of the image display region (50) or arranged to project light radiation emitted therefrom as perceived by the viewer (15).

3. (currently amended) A visual display system according to Claim 1, ~~wherein the one or more~~ ~~the at least one~~ illumination sources (100a, 100b, 110, 120) comprises a movable array of light emitting elements disposed adjacent to said peripheral portion of the image display region, said control device moving said array relative to said peripheral portion in response to said depth signal to effect said movement of light radiation, in conjunction with the monitoring means and the controlling means (500) are operable to at least partially mimic at least one of color and intensity and depth information in sub-regions of the image display region (50) spatially adjacent to at least one of:

- (i) — where the one or more illumination sources (100a, 100b, 110, 120) are mounted in respect of the image display region (50); and
- (ii) — where the one or more illumination sources (100a, 100b, 110, 120) are arranged to project their illumination as perceived by the viewer (15).

4. (currently amended) A visual display system according to Claim 1, wherein the controlling means (500) device is adapted arranged to temporally delay energization energize of the at least one of the or more illumination sources (100a, 100b, 110, 120) in response to program content presented on the image display region (50) in a temporally delayed manner.

5. (currently amended) A visual display system according to Claim 4, wherein the temporally delayed manner of control has a temporal response associated therewith, the controlling device means (500) being arranged is adapted to render the temporal response dynamically vary variable the temporal delay as a function of program content presented on the image display region (50).

6. (currently amended) A visual display system according to Claim 1, wherein the at least one or more illumination sources are susceptible to being source is selectively user-deactivated.

7. (currently amended) A visual display system according to Claim 1, wherein the at least one or more illumination sources are disposed in one or more illumination panels (100a, 100b, 110, 120) includes at least one of illumination sources disposed laterally, above and below the image display region (50) when the screen display region (50) is disposed in a substantially upright orientation in operation.

8. (currently amended) A visual display system according to Claim 7, wherein at least one of the illumination sources one or more panels (100a, 100b, 110, 120) includes a plurality of groups of light emitting elements sources (400, 430, 410, 420) of illumination with and light diffusing means spatially interposed between said groups therebetween for causing in use a more gradual color and/or intensity and/or depth information transition between the groups of sources (400, 430; 410, 420).

9. (currently amended) A visual display system according to Claim 7, wherein the display device (40) is comprises a wide-screen television set including first and second ones of said illumination sources with the one or more panels (100a, 100b) disposed adjacent laterally opposite sides in respect of the image display region (50) and/or arranged to project their illumination substantially laterally as perceived by the viewer (15).

10. (currently amended) A visual display system according to Claim 1; wherein the at least one or more illumination source sources (100a, 100b, 110, 120) are susceptible to being is in the form of an integral component that can be added to the display device (40) as one or more retrofit components.

11. (currently amended) A visual display system according to Claim 1; wherein the display device comprises (40) is a television set.

12. (currently amended) A visual display system according to Claim 1, wherein the monitoring means and the controlling means (500) are arranged to including a control device for energizing at least energize the one or more sources of illumination source (100a, 100b, 110, 120) in response to ambient conditions pertaining to the display device (40) as well as and in response to program content presented on the image display region (50).

13. (currently amended) A visual display system according to Claim 12; wherein the monitoring means and the controlling means (500) are arranged to energize the at least one or more sources of illumination source (100a, 100b, 110, 120) such that those sources includes first light emitting elements spatially disposed adjacent to the image display region (50) and second light emitting elements disposed more remotely from the image display region, said control device controlling the first light emitting elements are arranged to emit light radiation providing at least a partial extension of program content presented on the image display region (50) and controlling the second light emitting elements these sources spatially more remote from the image display region (50) to emit light radiation blending in with the ambient conditions.

14. (currently amended) A visual display system according to Claim 1, wherein the display device (40) is adapted as a to display device capable of displaying two-dimensional images.
15. (currently amended) A visual display system according to Claim 14, wherein the ~~monitoring means is adapted to determine the depth information is derived~~ from two-dimensional image data related to two-dimensional images to be presented on the display device (40).
16. (currently amended) A visual display system according to Claim 1, wherein the display device (640) is adapted as a to display device capable of displaying three-dimensional images.
17. (currently amended) A visual display system according to Claim 16, wherein the ~~monitoring means is adapted to determine the depth information is derived~~ from three-dimensional image data related to three-dimensional images to be presented on the display device (640).
18. (currently amended) A visual display system according to Claim 17, wherein the ~~monitoring means is adapted to determine the depth information is derived~~ from meta data forming a part of three-dimensional image data related to three-dimensional images to be presented on the display device (640).

19. (currently amended) A visual display system according to Claim 1, wherein ~~the monitoring means is adapted to generate image indicative signals corresponding to the depth information in such a manner that a location at which the one or more illumination sources (100a, 100b, 110, 120; 730) the location where the at least one illumination source emits light radiation is correlated with a location of at least one object displayed on the image display region (50).~~

20. (currently amended) A visual display system according to Claim 1, wherein ~~the monitoring means is adapted to generate image indicative signals corresponding to the depth information in such a manner that at least one of the color and/or the brightness and/or intensity of the light radiation emitted by the at least one or more illumination sources (100a, 100b, 110, 120; 730) is correlated with a location of at least one said displayed object displayed on the image display region (50).~~

21. (currently amended) A visual display system according to Claim 1, wherein ~~the one or more illumination sources (100a, 100b, 110, 120) are provided in a movable manner, and wherein the monitoring means is adapted to generate image indicative signals corresponding to the depth information in such a manner that the one or more illumination sources (100a, 100b, 110, 120) emitting light radiation emitted from the at least one illumination source is or are moved in correlation with a location of said displayed at least one object displayed on the image display region (50).~~

22. (currently amended) A visual display system according to Claim 1, wherein the at least one comprising a plurality of illumination sources (730) which are provided in an immovable manner, and wherein the monitoring means is adapted to generate image indicative signals corresponding to the depth information in such a manner that the plurality of illumination sources (730) comprises a plurality of light emitting elements, said control device sequentially energizing different ones of said light emitting elements are forced to subsequently emit light radiation in a predetermined order to thereby mimic a motion in correlation with a location of said displayed at least one object displayed on the image display region (50).

23. (currently amended) A visual display system according to Claim 22, wherein the plurality of light emitting elements illumination sources (730) are provided as arranged in a matrix-like array having rows (L1, .., Ln) and columns (C1, .., Cm).

24. (currently amended) A visual display system according to Claim 1, wherein the at least one or more illumination sources (100, 100b, 110, 120; 730) is disposed or are provided on a carrier substrate (605, 610, 615, 620; 705, 710, 715, 720).

25. (currently amended) A visual display system according to Claim 24, wherein the carrier substrate (605, 610, 615, 620) is pivotally attached to the display device (40) in a pivotable manner.

26. (currently amended) A method of operating a supplementary visual display system (10, 200) including for use in conjunction with a display device (40) including having an image display

region (50) on a screen, for presenting said system displaying in said image display region  
images represented by received image data to a viewer (15), the method including the steps of:

- (a) providing at least one disposing one or more illumination sources (100a, 100b, 110, 120) disposed in a configuration including at least one of:
  - (i) at least partially peripherally surrounding relative to the display device for illuminating a respective area that appears to a viewer as being adjacent to a peripheral portion of the image display region (50); and
  - (ii) arranged to project illumination radiated therefrom so as to illuminate a region visually appearing to the viewer (15) to at least partially peripherally surround the image display region (50);
- (b) monitoring at least one of
  - (i) audio program content; and
  - (ii) intensity and/or color and/or depth information in the entire image display region (50) or in one or more sub regions (300, 310, 320, 330) of the image display region (50) when images are presented thereon and generating corresponding image and/or audio indicative signals; and
- (be) providing a control device for, in dependence on a depth signal derived from the received image data, controlling movement of light radiation emitted in use from the at least one or more illumination sources (100, 100b, 110, 120) in response to the image and/or audio indicative signals, said depth data representing a movement component of a displayed object in a direction substantially perpendicular to the screen so as to provide at least a partial spatial extension of the image display region (50).